

Remarks

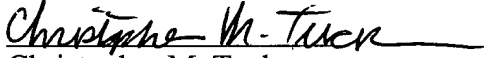
Claim 1 has been amended to incorporate claim 2 and in part recite "...*wherein said DSP is enabled to operate in either command and control mode or continuous speech mode and said DSP serves as the preprocessor of all speech input prior to execution of instructions by the CPU to process the speech input.*" The examiner argues that Lambrecht further discloses that the multimedia devices may be any of various types of input/output devices, and the multimedia device may also include a digital signal processor for processing periodic data including audio data, which suggests that input audio data including speech can be processed prior to the CPU execution (emphasis added) (page 6, paragraph 3 of the 4/25/2003 office action). The applicant respectfully disagrees. There is not a disclosure, motivation, or suggestion in the cited prior art that allows the DSP to serve as the preprocessor of all speech input prior execution of instructions by the CPU as required by amended claim 1. Lambrecht teaches that when an application is executed on the CPU, multimedia data is generated and is transferred or written by the CPU to main memory (column 24, lines 12-16). Once real-time or multimedia data and commands have been placed in the multimedia memory by the CPU, one or more of the multimedia devices reads the commands and data from the multimedia memory and performs the necessary graphics and audio processing functions (column 25, lines 3-9). This is completely different from the claimed invention. The DSP does not work as a slave to the CPU, but as an interface between the audio input and CPU where the DSP is enabled to execute processing functions independent from the CPU. >

Claim 27 claims in part "*A method of processing speech in a computer, the method comprising... wherein said DSP serves as the preprocessor of all speech input*

prior to execution of instructions by the CPU to process the speech input.” Again, neither Lambrecht nor Hansen discloses or motivates this limitation. Lambrecht discloses that the DSP only functions after it has received instructions from the CPU (column 24, lines 12-16; column 25, lines 3-9). This is different from the present invention where the DSP processes audio data independent of the CPU and then transmits the processed audio data to the appropriate component or device.

For at least these reasons, the Examiner is respectfully requested to withdraw these grounds of rejection. The Applicant believes the present claims are in condition for allowance and reconsideration, and an early Notice of Allowability is sought.

Respectfully submitted,


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